



*JFW*

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/670,881	
	Filing Date	September 25, 2003	
	First Named Inventor	Kevin J. Yang, et al.	
	Art Unit	2815	
	Examiner Name	Edward J. Wojciechowicz	
Total Number of Pages in This Submission	20	Attorney Docket Number	2000.008.00/US

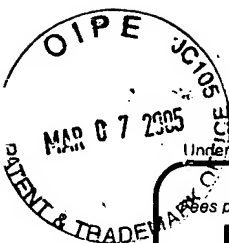
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	1. Supplemental Reply dated 1-27-05;
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	2. Check No. 1522 for \$25.00;
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	3. Form PTO-2038; and
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks	4. Return Postcard.
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Fields IP, PS (USPTO Customer No. 41894)		
Signature	<i>Walter D. Fields</i>		
Printed name	Walter D. Fields		
Date	March 3, 2005	Reg. No.	37,130

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature	<i>Sandi L. Jasper</i>		
Typed or printed name	Sandi L. Jasper	Date	March 3, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Effective on 12/08/2004.  
Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 25.00

## Complete if Known

Application Number	10/670,881
Filing Date	September 25, 2003
First Named Inventor	Kevin J. Yang, et al.
Examiner Name	Edward J. Wojciechowicz
Art Unit	2815
Attorney Docket No.	2000.008.00/US

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200	100
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Multiple dependent claims

360	180
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Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
82	- 20 or HP = 1	x 25.00 =	25.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
8	- 3 or HP = 0	x 0 =	0.00

HP = highest number of independent claims paid for, if greater than 3.

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge):

## SUBMITTED BY

Signature

Registration No. 37,130  
(Attorney/Agent)

Telephone 360-750-9936

Name (Print/Type)

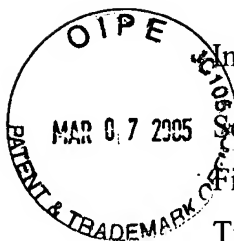
Walter D. Fields

Date March 3, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of: Kevin J. Yang, et al.

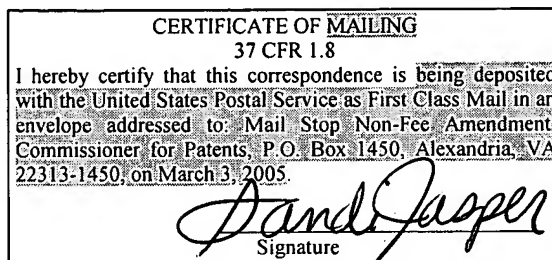
Serial No.: 10/670,881

Filed: September 25, 2003

Title: Thyristor Device with Carbon  
Lifetime Adjustment Implant and  
its Method of Fabrication

§ Group Art Unit: 2815  
§  
§ Examiner: Edward J. Wojciechowicz  
§  
§ Confirmation No. 5762  
§  
§ Atty. Docket: 2000.008.00/US  
§  
§ Date: March 3, 2005  
§

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



**Response to Notices of  
Non-Compliant Amendment and Fee Deficiency**

Dear Sir:

Applicants submit this response to the Notice of Non-Compliant Amendment dated February 7, 2005. A Supplemental Reply was submitted to the U.S. Patent and Trademark Office on January 27, 2005 (a copy of which is attached for reference), correcting informalities associated with the listing of a claim group of allowed claims 1-24 within the previously submitted amendment (dated January 13, 2005) responsive to the Office Action dated October 19, 2004.

In response to the Notice of Fee Deficiency, our Check No. 1522 in the amount of \$25.00 is also attached.

Applicants believe no additional claim fees are due in conjunction with this reply, but hereby authorizes the Commissioner to charge/credit applicants'/counsel's Credit Account as identified in the attached Credit Card Payment Form (PTO-2038) for any other fees that may be found necessary, which may include, e.g., extension of time fees or

Appl. No. 10/670,881

Date: March 3, 2005

Reply to Notices of Non-Compliant Amendment and Fee Deficiency dated 02/07/2005

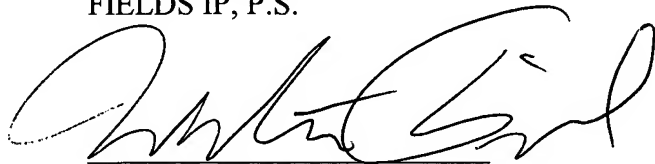
Docket No. 2000.008.00/US

excess claim fees as may be required to make this response timely and acceptable to the Patent Office.

Applicants respectfully request that a timely Notice of Allowance be issued in this case. If a discussion with the Examiner would be helpful, applicants encourage the Examiner to contact the undersigned directly at 360-750-9936.

Respectfully submitted,

FIELDS IP, P.S.

A handwritten signature in black ink, appearing to read 'Walter D. Fields', written over a horizontal line.

Walter D. Fields

Reg. No. 37,130

Fields IP, P.S.

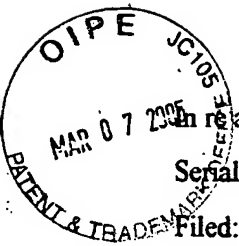
601 Main Street, Suite 405

Vancouver, WA 98660-3414

Tel.: 360-750-9936

Fax: 360-838-0144

Attachments: 1. Supplemental Reply dated 1-27-05;  
2. Check No. 1522 for \$25.00; and  
3. Form PTO-2038.



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kevin J. Yang, et. al.

Serial No.: 10/670,881

Filed: September 25, 2003

Title: Tyristor Device with Carbon Lifetime Adjustment  
Implant and its Method of Fabrication

§ Group Art Unit: 2815  
§ Examiner: Edward J. Wojciechowicz  
§ Conf. No.: 5762  
§ Atty. Docket: 2000.008.00/US  
§ Date: January 27, 2005

## COVER REQUESTING ENTRY OF SUPPLEMENTAL REPLY UNDER 37 CFR §1.111

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**COPY**

### CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 27, 2005.

*Dandi Jazzer*  
Signature

Dear Examiner Wojciechowicz:

Associated with this communication in connection with the above identified application, applicants submit a supplemental reply for entry under

### 37 CFR §1.111 Reply by applicant or patent owner to a non-final Office Action

- (2) *Supplemental replies.* (i) A reply that is supplemental to a reply that in compliance with § 1.111(b) will not be entered as a matter of right except as provided in paragraph (a)(2)(ii) of this section. *The Office may enter* a supplemental reply if the supplemental reply is clearly limited to:
- (A) Cancellation of a claim(s);
  - (B) Adoption of the examiner suggestion(s);
  - (C) Placement of the application in condition for allowance;
  - (D) Reply to an Office requirement made after the first reply was filed;
  - (E) **Correction of informalities** (e.g., typographical errors);

Applicants submit the supplemental reply to recite a grouping of previously allowed claims 1-24 in greater conformity with some formality requirements of 37 CFR §1.121. Further, applicants submit that this supplemental reply may be found to be limited to at least one of the provisions of 37 CFR §1.111 (2)(i)(A-E) as recited above, including to *correct informalities*; and that the Office may therefore accept entry of this supplement reply.

Respectfully Requested,

FIELDS IP, PS  
601 Main Street, Suite 405  
Vancouver, Washington 98660  
Telephone: (360) 750-9936

*Walter D. Fields*  
Walter D. Fields  
Reg. No. 37,130

January 27, 2005  
DATED



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kevin J. Yang, et al.

Serial No.: 10/670,881

Filed: September 25, 2003

Title: Thyristor Device with Carbon  
Lifetime Adjustment Implant and  
its Method of Fabrication

§ Group Art Unit: 2815  
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§ Examiner: Edward J. Wojciechowicz  
§  
§ Confirmation No. 5762  
§  
§ Atty. Docket: 2000.008.00/US  
§  
§ Date: January 27, 2005  
§

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 27, 2005.

*Sandi Jazzer*  
Signature

**SUPPLEMENTAL REPLY**

Dear Sir:

Applicants submit this supplemental reply for correcting informalities associated with the listing of a claim group of allowed claims 1-24 within the previously submitted amendment responsive to the Office Action dated October 19, 2004.

Applicants believe no additional claim fees are due in conjunction with this reply, but hereby authorizes the Commissioner to charge applicants'/counsel's Credit Account as identified in the attached Credit Card Payment Form (PTO-2038) for any other fees that may be found necessary, which may include, e.g., extension of time fees or excess claim fees as may be required to make this response timely and acceptable to the Patent Office.

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.